Original / Duplicate / Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. 2nd and Final Bill
Date .....20.....
Division: Yelahanka Projects Division.
Bill Received No.....Dated.....Cash Book Voucher No.....dated.....
Scheduled Docket No.....

Name of Work: Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01

Est. cost: 130.00 Lakhs

Job Code No: 001-20-000008

Name of Contractor and Full Address : Sri. T K Shankarappa (M/s MESPC Infra Projects Pvt Ltd) No 60, Kempaiah Building, Ananthpura, Singanayakanahalli Post, Bangalore 560064.

Work Order No: (Project)/YNK Zone/WO/98/2020-21. **Dated 08.09.2020**

Certified that the measurements were taken by me on 10/01/2022 and recorded in pages 888278 to 289 of measurement Book No. 10/2019-20 and that the work is satisfactorily executed.

Contractor

Officer-in-charge of work

Certified that the measurements were taken by me on 10.01.2022 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Asst. Executive Engineer
Projects Division
Yelahanka Zone
BBMP, Bangalore - 92

If Memorandum of Payment

1)	Total value of work done or supplies made as per account within	BA 9017000-00
2)	Deduct amount to be held in reserve being.....percent Rs.....	Ris 180340-00
3)	Deduct amount to be held in Balance	Sui 80509-00
4)	Deduct Payment :	Sui 80509-00
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D No.....	Cess 9000-00
	Amount adjusted towards cash advance recovery of	Lwk 90170-00
	b) Payments cost store or other materials supplied.	LC 50017-00
	Now made recovery of amount creditable to this/other work	490565-00
	Amount paid on this bill Cheque/Cash	8526435-00
5)	Balance being unpaid value of work done held in reserve	
6)	Deduct cash advance made on the office Cash Book Voucher No..... date .....less adjustments	
7)	Net amount due to or from contractor	
	Unadjusted items	
8)	Advance to contractor for materials brought to site (as detailed) within value of Governme materials supplied	

Contractor's Signature

Received Rs.....(in words)
By Cash and by adjustment of Payment as per memorandum.

Witnesses :

1.

2.

Dated.....Signature of Contractor

Paid by me by cheque No.....Dated.....

Cash Rs.....Dated.....

Initials of Officer Making Payment

(For use in the Office)

Head of Account 3590
Audited & Admitted for Rs. 9017000-00
Passed for Rs. 8526435-00
.....
Paid To.....
By Adjustment Rs. 490565-00

Executive Engineer

EE

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BRUHAT BANGALORE MAHANAGARA PALIKE

PROJECT DIVISION YALAHANKA ZONE

NAME OF WORK: Construction of Compound gate to Mini Vidhana soudha and Construction of Auditoriums in Government first grade college and Bangla Government Higher Primary school and other developmental works in Kempegowda ward No. 01

Abstract

Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
1	Dismantling (By Mechanical means) of existing stage and surrounding structure comprising of masonry, cement concrete, wood work, steel work including T&P and scaffolding wherever necessary, sorting the dismatled material, disposal of unserviceable material and stacking the servicable material with all lead, lifts, loading and unloading complete as per direction of Engineer in charge.KSRB M200-14.2	Cum	59.52	398.00	23688.73	0.00	0.00	59.52	398.00	23688.96	59.52	23688.96
2	Earthwork excavation by manual means for foundations, either in pits or trenches 1.5m and above in width, in soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches , stacking the excavated soil clear from edges from edges of excavation with lead upto 50m, including breaking of clods complete as per specification in hard soil.KSRB 2-1	Cum	1755.44	339.03	595152.64	1086.26	368278.76	668.03	339.03	226482.63	1754.29	594761.39
3	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS	Cum	0.00	2754.22	0.00	0.00	0.00	0.00	2754.22	0.00	0.00	0.00
4	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. In depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. Including cost of all labour complete as per specifications. No. KBS 2.9	Cum	0.00	227.91	0.00	0.00	0.00	0.00	227.91	0.00	0.00	0.00
5	KSRRB M400-19. Construction of Median and island above road level with approved material deposited from soil deposits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No. 407	Cum	0.00	236.98	0.00	0.00	0.00	0.00	236.98	0.00	0.00	0.00

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Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
6	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, Surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration at 3.19 Litre/sqm., including cost of chemical, diluting in water to one percent concentration, labour, HOM complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7	Sqm	0.00	120.19	0.00	0.00	0.00	0.00	120.19	0.00	0.00	0.00
7	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1,4.2	Cum	79.33	5785.12	458926.46	36.34	210231.15	42.99	5785.12	248683.87	79.33	458915.02
8	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum	151.65	5211.37	790315.63	143.23	746424.19	8.42	5211.37	43900.58	151.65	790324.77
9	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum	95.67	6217.13	594781.56	68.23	424194.77	27.43	6217.13	170548.31	95.66	594743.08
10	KSRB 15.1 Providing flush pointing 20 mm deep to square rubble, course or uncoursed stone masonry with cement mortar after rakingvjoints to depth of 20mm nicely lining, including cost of materials, labour,vcuring complete as per specifications	Sqm	334.89	159.88	53541.61	248.11	39667.52	86.24	159.88	13788.05	334.35	53455.57

SHRIYA CONSTRUCTION AND CONSULTANCY

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Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
11	KSRB 4.1.6 : Providing and laying in position reinforced cement concrete of design mix M15 with OPC cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintles, retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets,coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6	Cum	26.59	6147.96	163488.83	21.47	132015.15	5.10	6147.96	31354.60	26.57	163369.75
12	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., with all lead and lift etc., complete. (exculsive of cost of steel and fabrication charges) - Ready mixed Cement concrete for Beams, Staircase and Roof with M-20 -footing Concrete	Cum	0.00	6172.91	0.00	0.00	0.00	0.00	6172.91	0.00	0.00	0.00
13	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2	Sqm	280.79	292.54	82144.05	199.72	58426.91	80.32	292.54	23496.81	280.04	81923.73
14	KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2	Sq-m	0.00	856.09	0.00	0.00	0.00	0.00	856.09	0.00	0.00	0.00
15	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm	223.84	1080.60	241881.30	223.84	241881.30	0.00	1080.60	0.00	223.84	241881.30

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Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
16	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 - TMT bars Fe 500	Mton ne	7.13	80467.78	573574.33	3.71	298295.51	3.42	80467.78	275393.17	7.13	573688.68
17	Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry incluing rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Cement Mortar 1:4.KSRB 6-6.3	Sqm	512.76	295.95	151749.17	512.76	151749.17	0.00	295.95	0.00	512.76	151749.17
18	KSRB 14.5 : Providing and laying flooring and steps fine machine polished granite stone slabs 20 mm thick on cement mortar bed 1:6, 20 mm thick, and joints finished with cement mortar 1:3 over existing cement concrete bed , including cost of materials, labour, curing complete as per specifications. Specification No. KBS 14.26	sqm	237.66	1342.53	319059.33	0.00	0.00	237.66	1342.53	319059.77	237.66	319059.77
19	Fabricating, supplying and erecting M.S. Angular Truss for all spans as per approved designs and drawing. The entire truss is anchored suitably by using 4 Nos. of M.S. anchor bolts at each support, with base plate and shoe plate. The work includes cutting, Straightnening, placing in position of M.S angle and welding wherever necessary, and applying one coat of red oxide primer coat to all the members including cosr of materials, labour charges, & hire charges of machineries for cutting, welding, grinding & erection equipments, etc, complete as per specification	Kg	0.00	145.14	0.00	0.00	0.00	0.00	145.14	0.00	0.00	0.00
20	Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The Total Qty coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy Sqm 573.00 299	sqm	445.88	780.12	347834.98	0.00	0.00	445.88	780.12	347836.01	445.88	347836.01

SHRIYA CONSTRUCTION AND CONSULTANCY

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Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
21	Providing and fixing stainless steel 304 grade for staircase railings, balconies, ramps, with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of and electrical charges, etc., complete as per specifications.	sqm	0.00	6827.16	0.00	0.00	0.00	0.00	6827.16	0.00	0.00	0.00
22	KSRRB M300-1. KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3	cum	0.00	147.41	0.00	0.00	0.00	0.00	147.41	0.00	0.00	0.00
23	KSRB 14.6-1: Providing & laying heavy duty cobble stones 60mm thick interlock pavers,using cement & course sand for manufacture of blocks of approved size ,shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (Avg thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS	cum	372.70	1193.99	444996.45	0.00	0.00	372.00	1193.99	444164.28	372.00	444164.28
24	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.	No's	959.00	462.63	443660.19	0.00	0.00	959.00	462.63	443662.17	959.00	443662.17
25	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Sqm	150.92	90.71	13690.16	0.00	0.00	150.00	90.71	13606.50	150.00	13606.50

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Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
26	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6	Cum	134.54	6416.69	863324.58	19.12	122661.54	115.05	6416.69	738208.10	134.16	860869.64
27	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels, and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6	Cum	13.50	6680.89	90192.04	0.00	0.00	13.50	6680.89	90192.02	13.50	90192.02

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Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
28	Fabrication supplying and erecting M.S. tubular trusses of all spans as per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification	Kg	10312.16	104.32	1075744.83	0.00	0.00	10312.16	104.32	1075744.83	10312.16	1075744.83
29	KSRRB M200-13.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202.	CUM	111.43	442.22	49275.90	102.60	45371.55	8.83	442.22	3904.36	111.43	49275.90
30	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum	62.33	5095.71	317590.17	0.00	0.00	62.33	5095.71	317590.13	62.33	317590.13

SHRIYA CONSULTANCY * SHRIYA CONSTRUCTION AND

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Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
31	Fabricating, providing and erecting in position of MS Hot Dip Galvanized Sq. Hallow Poles of 132 x 132 Heavy gauge of length 3000mm with MS. Hot dip galvanized grill work as per approved design and drawing of chief architect. Using 12x75mm galvanized flat for alround frame and 20mm x 20mm galvanized-forged design with square for for vertical al 150mm C/C as shown in the drawing including providing forged ornamental arrow head in top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and unloading with cost and conveyance of all materials, labour, machinery and incidental charges for the successful completion of the work as per the direction Engineer-in-charge of the work.	Sqm	173.87	9600.43	1669227.21	0.00	0.00	173.87	9600.43	1669226.76	173.87	1669226.76
32	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72 x 72 x 4.8mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50X6mm arch bent to hot dip galvanized flats. the work is inclusive of throughing GI, flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like G I Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes with all lead and lift, loading, transportation, unloading, scaffolding charges and all other incidental charges for successful completion of the work as per	Sqm	26.55	13097.53	347739.53	0.00	0.00	26.55	13097.53	347739.42	26.55	347739.42

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Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
33	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using copper PVC insulated multi strand2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. (5/2.1) I. Point wiring using class A Materials a) Short point up to 3Mtr from tapping point to out let via switch GROUP A	Each	0.00	182.68	0.00	0.00	0.00	0.00	182.68	0.00	0.00	0.00
34	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using copper PVC insulated multi strand2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. (5/2.1) I. Point wiring using class A Materials b) Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch GROUP A	Each	0.00	257.23	0.00	0.00	0.00	0.00	257.23	0.00	0.00	0.00
35	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using copper PVC insulated multi strand2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. (5/2.1) I. Point wiring using class A Materials c) Long point above 6Mtr up to 10Mtr from tapping point to out let via switch GROUP A	Each	0.00	381.11	0.00	0.00	0.00	0.00	381.11	0.00	0.00	0.00
36	wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand 1x1Sqmm copper wire with low conductor resistance single core wire in open or concealed system of wiring specified IS-694 GROUP-A	Each	0.00	13.65	0.00	0.00	0.00	0.00	13.65	0.00	0.00	0.00
37	Supplying and mounting 2 Nos. of 2 way 6 amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flush mounted wooden box and wiring as required.(15/3.2)	Each	0.00	179.53	0.00	0.00	0.00	0.00	179.53	0.00	0.00	0.00
38	Supplying 6A flush type socket and 6 amps flush type SP switch either flush mounting in a existing in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required.(15/3.1) b) 6Amps 3/5 way switch socket.	Each	0.00	157.49	0.00	0.00	0.00	0.00	157.49	0.00	0.00	0.00

Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount

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Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
38	plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required.(15/3.1) b) 6Amps 3/5 way switch socket.	Each	0.00	157.49	0.00	0.00	0.00	0.00				
39	Supply and fixing of bakelite modular switch/ socket /stepped electronic fan regulator on existing modular switch plate as per IS 3854 and IS 1293	Each	0.00	300.27	0.00	0.00	0.00	0.00	300.27	0.00	0.00	0.00
40	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required.(47/6.16) 5-32Amps SPN Group 'A'	Each	0.00	438.86	0.00	0.00	0.00	0.00	438.86	0.00	0.00	0.00
41	Supplying PVC/GI flexible conduit pipe…mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and the either end of the pipe terminatedcompletely.(3/1.9)a) 25mm	Mtr.	0.00	24.15	0.00	0.00	0.00	0.00	24.15	0.00	0.00	0.00
42	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open orconcealed system of wiring. (6/2.5) DISTRIBUTION BOARDS AND 15 Amps plug points 4 sqmm	Mtr.	0.00	30.66	0.00	0.00	0.00	0.00	30.66	0.00	0.00	0.00
43	Supplying tinned copper lugs and crimping and wiring to termina point for wire of the following sizes.(64/7.21)4/6 sqmm	Each	0.00	6.56	0.00	0.00	0.00	0.00	6.56	0.00	0.00	0.00
44	Supplying of 4' feet - LED PVC Square batten 28W with high quality diffuser with Life 25000 burning hours & 70% limen maintence with CRI > box type suitable for 28W T5 single t 80. Power input; 220-240V @ 50Hz & power factor > 0.9 along with CE approved drivers. 5years warranty against any manufacturing defect working u win lamp & suspennder standerd electrical condition. (25/4.29.2) 1x4'-28 Watts	Each	0.00	1862.52	0.00	0.00	0.00	0.00	1862.52	0.00	0.00	0.00
45	Fixing all types and all capacities of fluorescent / false ceilling / spot / LED fittings indoor on the wall / celling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clamps. (108/17.7)	Each	0.00	102.89	0.00	0.00	0.00	0.00	102.89	0.00	0.00	0.00
46	Supplying of 1440rpm heavy duty exhaust fan with bracke tblades suitable to operate on 230V 50Hz, AC Supply complete.(78/9.2.2) I) 12" Sweep (300mm)	Each	0.00	3836.33	0.00	0.00	0.00	0.00	3836.33	0.00	0.00	0.00
47	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved.(78/9.3.1.2) a.Regular model (Khaitan, Crompton Greaves, Orient, Polar, Bajaj,Havells) 48" (1200mm)	Each	0.00	1994.81	0.00	0.00	0.00	0.00	1994.81	0.00	0.00	0.00

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Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
48	Supplying of 2'x2' LED recessed liminaire with 36 Watts system wattage. Housing Shall be with pressure die cast aliminum alloy with corrosion proof resistant polyester power coated. Drive operates with voltage range from 100V to 270V 50/60Hz with short circuit, overload and mis-wiring protection. Lumen Maintenance of 70% at 70% at 500000 Hrs. injuction moulded poly carbonate diffuser for better mechanical stability, light transmission & avoid pot hole effect. Junction Temperature shall be <70 degree Celsius. Driver is on constant current driver @ 0.06A with PF >0.92 with line voltage @ 220-240V 50/60Hz, driver efficiency > 85% & THD< 15%, LED Efficiency > 130 im/W at 1W & Fixture Efficiency > 75im/w with CRI > 75 with injuction moulded polycarbonate lens with < 80mm depth. 5Years Warrenty against any manufacturing defect working under standerd electrical condition.(26/4.33.2) a)2'x2'-36Watts	Each	0.00	8653.28	0.00	0.00	0.00	0.00	8653.28	0.00	0.00	0.00
49	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. (49/6.40.1)a) 14SWG	Sq cm	28000.00	0.39	10876.96	0.00	0.00	28000.00	0.39	10920.00	28000.00	10920.00
50	Supplying ..... amps rated 3phase with neutral bus bar using required capacity electrolytic alluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DM insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary botls,nuts and washers etc., complete.(49/6.38.1) b) 100Amps 4x30x10mm Alluminium Strips	Rmtr.	0.00	2241.54	0.00	0.00	0.00	0.00	2241.54	0.00	0.00	0.00
51	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C.(48/6.36) Group A	Each	0.00	464.06	0.00	0.00	0.00	0.00	464.06	0.00	0.00	0.00
	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required.(47/6.16) a) 5-32Amps SP Group 'A'	Each	3.00	434.66	1303.98	0.00	0.00	3.00	434.66	1303.98	3.00	1303.98

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Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
53	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. (49/6.39) d) 50x50x6mm C channel	Rmtr.	0.00	354.87	0.00	0.00	0.00	0.00	354.87	0.00	0.00	0.00
54	Supplying and running of GI/Copper strips for groundingconnections, using necessary fixing materials as required.(55/7.3.1) GI strip 25x3mm	Mtr.	0.00	80.84	0.00	0.00	0.00	0.00	80.84	0.00	0.00	0.00
55	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanised, steel wire/steel tap armoured cable with PVC outer sheathing 1.1 KV class.(55/7.4) Class `A' PVC Cable 3.5 core 25 sqmm	Mtrs.	0.00	689.78	0.00	0.00	0.00	0.00	689.78	0.00	0.00	0.00
56	Digging of trench of 0.6m deep x 0.50 mtr wide refiling the trench to the required ground level and consolidatingetc., complete.(As per Civil SR KSRB I-2, P-7)(61/7.9)In soil (ordinary)	Mtrs.	0.00	81.89	0.00	0.00	0.00	0.00	81.89	0.00	0.00	0.00
57	Supplying tinned copper lugs and crimping and wiring to minal point for wire of the following sizes.(64/7.21) f) 25 sqmm	Each	0.00	253.03	0.00	0.00	0.00	0.00	253.03	0.00	0.00	0.00
58	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have inhouse facility accredited by NABL/CPRI & any Government certified agency &	Each	0.00	18898.20	0.00	0.00	0.00	0.00	18898.20	0.00	0.00	0.00

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Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
59	Supply of LED pole mounting type post top lantern with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/ clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS . UL approved MCPCB . LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have inhouse facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard	No's	0.00	5879.44	0.00	0.00	0.00	0.00	5879.44	0.00	0.00	0.00
E1	Granite Stone pillar 7ftx1ftx1ft including fixing, crane and transportation charges etc., (Approved Data Rate)	Nos	15.00	60000.00	900000.00	15.00	900000.00	0.00	60000.00	0.00	15.00	900000.00
E2	Granite Stone kalsa 2ftx1ftx1ft including fixing and transportation charges etc., (Approved Data Rate)	Nos	32.00	10000.00	320000.00	15.00	150000.00	17.00	10000.00	170000.00	32.00	320000.00
E3	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. - with primer. (P.No-120,I No-15.53.2)	Sqm	512.76	110.16	56485.64	512.76	56485.64	0.00	110.16	0.00	512.76	56485.64
E4	14.55, Providing full nosing for 20 mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification	RMT	120.00	286.20	34344.00	0.00	0.00	120.00	286.20	34344.00	120.00	34344.00
E5	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	SQM	25.92	2337.00	60575.04	0.00	0.00	25.92	2337.00	60575.04	25.92	60575.04

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Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
E6	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)	SQM	25.20	5418.00	136533.60	0.00	0.00	25.20	5418.00	136533.60	25.20	136533.60
E7	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18)	Cum	84.05	2001.28	168215.59	0.00	0.00	84.05	2001.28	168215.59	84.05	168215.59
E8	KSRRB 13-9. Providing, and fixing to wall, celing, and floor, high dencity poly ethylene pipes of 6.00KGF/sqcm working pressure of outside diameter raising mains and exposed distrubution pipes with special flange, compression type fittings, wall clips, making good the wall, celing and floor, including cost of materiallabor charges, HOM, and testing complete as per specifications(P.No-96,I No-13.72)	RMT	363.00	277.72	100812.36	0.00	0.00	363.00	277.72	100812.36	363.00	100812.36
E9	6.4.1 Supplying, of 1.1KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded inner sheath armoured UF LT Cable as per IS 1554(Part-I) or IS 7098 Part -1 Armouring Strip thickness in average +5% and resistivity 14ohms/kms (max) as per IS -3975, Electrical SR 2019-20	RMT	679.20	100.70	68395.44	0.00	0.00	679.20	100.70	68395.44	679.20	68395.44

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Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
E10	Supply of LED pole mounting type post top lantern with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/ clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr@ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor>0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB LED Efficiency>130 lm/w, nominal CRI >75. Luminaire manufacturer should have in- house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/	Nos	4.00	21095.00	84380.00	0.00	0.00	4.00	21095.00	84380.00	4.00	84380.00
E11	Supplying and Fixing of Ornamental/Designer Double arm Light Pole 6m Height with Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. (Data Rate)	Nos	8.00	25000.00	200000.00	0.00	0.00	8.00	25000.00	200000.00	8.00	200000.00
E12	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>1301m/w, nominal CRI >75. Luminaire manufacturer should have	Nos	8.00	7160.00	57280.00	0.00	0.00	8.00	7160.00	57280.00	8.00	57280.00

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Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
E13	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/ Overload, short circuit/ miss-wiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>1301m/w, nominal CRI >75. Luminaire manufacturer should have	Nos	8.00	5480.00	43840.00	0.00	0.00	8.00	5480.00	43840.00	8.00	43840.00
E14	Supply of LED Disigner Bollard light fitting with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB, with 2 years Warranty against any manufacturing defect working under standard electrical condition. (Data Rate)	Nos	4.00	14835.00	59340.00	0.00	0.00	4.00	14835.00	59340.00	4.00	59340.00

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Item No	Description of work	Unit	As Per Modified Schedule B			Previous		Present Measurement			Up to Date	
			Qty	Rate	Amount	Qty	Amount	Qty	Rate	Amount	Qty	Amount
E15	Supplying of recess mounting non integrated type Designer LED down light 15 to 18 W luminaire comprising of pressure decast/ extruded aluminium housing, with spring loaded false ceiling clamps, LED of Power/COB with CCT 6500 degree K, CRI> 70%. efficacy >100 lumen per watt, 120degree beam spread, life> 25000 burning hours and Compliance to IS10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level. LED's are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should< 5% of lamp wattage, short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.. (Data Rate)	Nos	8.00	3939.00	31512.00	0.00	0.00	8.00	3939.00	31512.00	8.00	31512.00
E16	Supplying and fixing Microprocessor based Electronic timer (with contactor, Din Mounting using necessary bolts, nuts and washers etc.,.) 3-120sec setting.(I No 5.47, Ele SR- 2019-20)	Nos	3.00	1925.00	5775.00	0.00	0.00	3.00	1925.00	5775.00	3.00	5775.00
					10540397.27		2895683.16			7640666.30		10536349.46
	Civil Works On Civil Works Amount				1510852.00		1050000.00			460852.00		1510852.00
	Data Rate Items				1264847.67		347481.98			916879.96		1264361.94
	12% GST for SR 2018-19 Items Only				13316096.94		4293165.14			9018398.26		13311563.40
	Total											

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